



- NOTES:
1. THIS IS A ULTRA- HIGH VACUUM COMPONENT (UHV)
  2. WHEN MACHINING VACUUM PARTS, USE SILICONE AND SULPHUR-BASED CUTTING FLUIDS IS PROHIBITED. USE ONE OF THE FOLLOWING:
    - A) CIMCOOL 5 STAR 49
    - B) TRIM SOL
  3. THIS IS A UHV PART, ELECTROPOLISHING IS NEEDED. PRIOR TO ELECTROPOLISHING, THE PART NEEDS TO GO THROUGH A MULTIPLE STEP CLEANING PROCESS INVOLVING DEGREASING, WASHING AND DRY NITROGEN BLOWDOWN.
  4. KEEP THE PART CLEAN AND WRAP FOR UHV PACKING WITH ALUMINUM FOIL.
  5. DIMENSIONS IN [ ] ARE MILLIMETERS AND FOR REF. ONLY
  6. SURFACE ROUGHNESS <sup>63</sup> ✓

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
<b>PARTS LIST</b>				
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES <b>TOLERANCES</b> DECIMALS      ANGULAR .X            ± .03            ± .25 ° .XX          ± .01 .XXX        ± .005  SURFACE ROUGHNESS ✓  REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX. SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST AMSI B46 DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST AMSI Y14.5		LOG NUMBER <b>A2332800</b>		
		THIS DRAWING IS THE PROPERTY OF <b>ARGONNE NATIONAL LABORATORY</b>		
DRAWN BY <b>J.GOGOL</b>		DATE <b>8/25/95</b>	CHIEF DESIGN ENGINEER	DATE
CHECKED BY		GP LEADER		TITLE <b>ADVANCED PHOTON SOURCE</b>  <b>X1-83 CRYSTAL HOLDER FOR 3-ID-A KOHZU PRESSURE PAD</b>
DESIGNER <b>J.GOGOL</b>		PROJECT MGR.		
RESPONSIBLE ENGINEER		APPROVED/RELEASED		
MATERIAL <b>OFHC COPPER</b>		SCALE <b>2:1</b>	SIZE <b>B</b>	DRAWING NUMBER <b>P4105091103-830012-00</b>
SYM      CHANGE      DESCRIPTION      BY      CHKD      DATE		DO NOT SCALE DRAWING		
<b>REVISIONS</b>				